

MR NELSON MAFAPE TSHWARELO MADILENG

Full-Stack Developer | Software Engineer

✉ nelsonmadileng57@gmail.com ☎ 0764694671 📍 South Africa 🔗 portfolio 🚩 African

♂ Male 🔄 GitHub 🌐 LinkedIn

PROFILE

Full-stack developer with proven experience in designing and building scalable, responsive applications using **Java, JavaScript, React, Node.js, Python, SQL, PostgreSQL, HTML5, and CSS3**. Skilled in writing clean, maintainable code, crafting intuitive UI/UX, and designing robust APIs. Adept at translating complex requirements into functional, user-focused solutions. Passionate about rapid prototyping, collaborative teamwork, and delivering high-quality digital products that drive measurable impact.

EDUCATION

Tshwane University of Technology <i>Diploma in computer science</i>	01/2022 – Present emalahleni , SouthAfrica
Kgoshi moroangoato Secoundary School <i>Matric</i>	01/2021 – 12/2021 polokwane,SouthAfric a

PROFESSIONAL EXPERIENCE

CodeTribe Academy / mLab <i>Full-Stack Developer Trainee</i>	06/2025 – Present Polokwane , South Africa
<ul style="list-style-type: none">- Built full-stack systems using React, Node.js, Express, PostgreSql.- Created responsive UI with HTML, CSS, JavaScript.- Implemented REST APIs.- Worked in Agile teams with Git/GitHub.- Improved UI/UX across applications.	
Limpopo varsity Hackathon (LVH)-Hacker (2nd Place) <i>Hacker</i>	10/2025 – 10/2025 Polokwane,South Africa
<ul style="list-style-type: none">• Developed a pesticide control software that uses camera input and image recognition to detect plant diseases and suggest possible treatments.• Leveraged TensorFlow for machine learning, React + Redux for the front-end, and Firebase for real-time data handling.• Secured 2nd position in the hackathon for innovation and practical impact.	
NEC XON <i>Technical Support Specialist</i>	12/2022 – 12/2022 Midrand ,south Africa
<ul style="list-style-type: none">- Supported POS systems & retail hardware.	

- Led installation and deployment projects.
- Diagnosed and resolved technical issues.

Telkom 10x hackathon

09/2025 – 09/2025

Developed *MediClinic*, a centralized database system designed to prevent patients from receiving multiple similar medications from different clinics, reducing duplication and improving patient safety.

Polokwane, South Africa

Tshwane varsity Hackathon (TVH)

11/2022 – 2022

hacker

Tshwane, South Africa

Developed an early disease detection system using patients' medical records and consultation data from app users.

SKILLS

- | | | |
|--------------|----------------------|-----------|
| • JavaScript | • TypeScript | • Python |
| • React | • Express | • Next.js |
| • Firebase | • Sql | • Pl/Sql |
| • postgresql | • Git | • MySQL |
| • GitHub | • Agile/SCRUM, UI/UX | • c++ |
| • Java | • Html | • css |

CERTIFICATES

- | | | |
|-------------------|--|------------------------|
| • AI Certificate | • Introduction to Cybersecurity Course | • Class Representative |
| • LVH Certificate | | |

REFERENCES

Mahlatse Serathi, *Trainee/Software Development*, Mlab/codeTribe
067 648 2868

Joel Phatlane, *Technical Support Specialist*, NEC XON
078 389 3087

Nico Botha, *Technical Support Specialist*, NEC XON
072 255 3393